

# Yunhong Jiang

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35  
papers

2,405  
citations

19  
h-index

37  
g-index

37  
ext. papers

2,708  
ext. citations

4.7  
avg, IF

4.97  
L-index

#	Paper	IF	Citations
35	Investigation into the antibacterial behaviour of suspensions of ZnO nanoparticles (ZnO nanofluids). <i>Journal of Nanoparticle Research</i> , <b>2007</b> , 9, 479-489	2.3	991
34	Mechanistic investigation into antibacterial behaviour of suspensions of ZnO nanoparticles against E. coli. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 1625-1636	2.3	339
33	Antimicrobial activities of ZnO powder-coated PVC film to inactivate food pathogens. <i>International Journal of Food Science and Technology</i> , <b>2009</b> , 44, 2161-2168	3.8	211
32	Effects of chitosan-based coating and modified atmosphere packaging (MAP) on browning and shelf life of fresh-cut lotus root ( <i>Nelumbo nucifera</i> Gaerth). <i>Innovative Food Science and Emerging Technologies</i> , <b>2010</b> , 11, 684-689	6.8	89
31	Effect of nano-ZnO-coated active packaging on quality of fresh-cut Fuji Apple. <i>International Journal of Food Science and Technology</i> , <b>2011</b> , 46, 1947-1955	3.8	88
30	Antibacterial and physical properties of poly(vinyl chloride)-based film coated with ZnO nanoparticles. <i>Food Science and Technology International</i> , <b>2010</b> , 16, 225-32	2.6	85
29	Role of physical and chemical interactions in the antibacterial behavior of ZnO nanoparticles against E. coli. <i>Materials Science and Engineering C</i> , <b>2016</b> , 69, 1361-6	8.3	68
28	Differential expression of anthocyanin biosynthetic genes and transcription factor PcMYB10 in pears ( <i>Pyrus communis</i> L.). <i>PLoS ONE</i> , <b>2012</b> , 7, e46070	3.7	63
27	Cell wall microstructure, pore size distribution and absolute density of hemp shiv. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 171945	3.3	44
26	Co-immobilization multienzyme nanoreactor with co-factor regeneration for conversion of CO. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 155, 110-118	7.9	43
25	Characterization of Nanoparticle Batch-To-Batch Variability. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	42
24	Porosity, Pore Size Distribution, Micro-structure. <i>RILEM State-of-the-Art Reports</i> , <b>2017</b> , 39-71	1.3	39
23	Hygrothermal and mechanical characterisation of novel hemp shiv based thermal insulation composites. <i>Construction and Building Materials</i> , <b>2019</b> , 212, 561-568	6.7	32
22	Self-assembly of activated lipase hybrid nanoflowers with superior activity and enhanced stability. <i>Biochemical Engineering Journal</i> , <b>2020</b> , 158, 107582	4.2	31
21	Electrochemical and morphological investigation of silver and zinc modified calcium phosphate bioceramic coatings on metallic implant materials. <i>Materials Science and Engineering C</i> , <b>2016</b> , 62, 249-59	8.3	25
20	Hydrophobicity of hemp shiv treated with sol-gel coatings. <i>Applied Surface Science</i> , <b>2018</b> , 434, 850-860	6.7	22
19	Development of novel building composites based on hemp and multi-functional silica matrix. <i>Composites Part B: Engineering</i> , <b>2019</b> , 156, 266-273	10	21

18	Bimetal based inorganic-carbonic anhydrase hybrid hydrogel membrane for CO <sub>2</sub> capture. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 39, 101171	7.6	20
17	Design and bio-applications of biological metal-organic frameworks. <i>Korean Journal of Chemical Engineering</i> , <b>2019</b> , 36, 1949-1964	2.8	19
16	Comparative moisture and heat sorption properties of fibre and shiv derived from hemp and flax. <i>Cellulose</i> , <b>2019</b> , 26, 823-843	5.5	18
15	Zinc oxide nanoparticle-coated films: fabrication, characterization, and antibacterial properties. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	17
14	Development and characterization of silver and zinc doped bioceramic layer on metallic implant materials for orthopedic application. <i>Ceramics International</i> , <b>2016</b> , 42, 4924-4931	5.1	16
13	Improvement of Water Resistance of Hemp Woody Substrates through Deposition of Functionalized Silica Hydrophobic Coating, While Retaining Excellent Moisture Buffering Properties. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 10151-10161	8.3	14
12	Moisture buffer, fire resistance and insulation potential of novel bio-clay plaster. <i>Construction and Building Materials</i> , <b>2020</b> , 244, 118353	6.7	13
11	Modification of hemp shiv properties using water-repellent sol-gel coatings. <i>Journal of Sol-Gel Science and Technology</i> , <b>2018</b> , 86, 187-197	2.3	13
10	Chitosan-based melatonin bilayer coating for maintaining quality of fresh-cut products. <i>Carbohydrate Polymers</i> , <b>2020</b> , 235, 115973	10.3	10
9	Deagglomeration testing of airborne nanoparticle agglomerates: Stability analysis under varied aerodynamic shear and relative humidity conditions. <i>Aerosol Science and Technology</i> , <b>2016</b> , 50, 1253-1263	3.4	9
8	FaMYB11 promotes the accumulation of volatile esters by regulating FaLOX5 during strawberry ( <i>Fragaria × Ananassa</i> ) ripening. <i>Postharvest Biology and Technology</i> , <b>2021</b> , 178, 111560	6.2	5
7	Resilient hemp shiv aggregates with engineered hygroscopic properties for the building industry. <i>Construction and Building Materials</i> , <b>2019</b> , 212, 247-253	6.7	3
6	Variation in Antioxidant Metabolites and Enzymes of Red Fuji Apple Pulp and Peel During Cold Storage. <i>International Journal of Food Properties</i> , <b>2014</b> , 17, 1067-1080	3	3
5	Effects of Nano-ZnO Power-Coated PVC Film on the Physiological Properties and Microbiological Changes of Fresh-Cut "Fuji" Apple. <i>Advanced Materials Research</i> , <b>2010</b> , 152-153, 450-453	0.5	3
4	Release of dioctyl phthalate (DOP) from polyvinyl chloride (PVC) in apple packaging. <i>Progress in Natural Science: Materials International</i> , <b>2005</b> , 15, 145-148	3.6	3
3	Preparation of ZnO Nano-Suspension and its Antibacterial Effect on Escherichia Coli. <i>Advanced Materials Research</i> , <b>2011</b> , 194-196, 689-692	0.5	1
2	Physico-chemical Characterization and Development of Hemp Aggregates for Highly Insulating Construction Building Materials. <i>Sustainable Agriculture Reviews</i> , <b>2020</b> , 147-170	1.3	1
1	Natural plant-based aggregates and bio-composite panels with low thermal conductivity and high hygrothermal efficiency for applications in construction <b>2020</b> , 217-245		0

